Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Sunday 22 Jan 2023 until 23:59 on Monday 23 Jan 2023

Forecast Issued on Sunday 22 Jan 2023 at 02:39

Confidence: High for becoming milder through the coming days then turning a little colder again later in the week, but lower for cloud details.

Headline for Sunday 22 Jan 2023: Cloudy with occasional rain and summit snow. Becoming milder

Mountain weather hazards on Sunday 22 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Sleet	Drizzle	Fog	Fog
Precipitation probability					
20%	40%	60%	60%	30%	20%

Forecast for Sunday 22 Jan 2023

Weather: A mostly cloudy day, best chance of any brighter spells across northern and eastern fells, with occasional snow, the snow turning increasingly to rain at all levels during the early afternoon with a thaw of lying snow at all levels beginning. The rain becomes patchier through the late afternoon and evening with a thaw of lying snow continuing.

Chance of cloud-free hill tops above 800m: Little chance over southern and western fells, but around 40% in the north and east

Low cloud and visibility: Periods or persistent cloud above 450-600m over southern and western fells, but cloud more occasional at times above 600-750m in the north and east. Away from cloud visibility good falling to several kilometres in rain, sleet and snow, and perhaps briefly around a kilometre during the late morning.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Sunday 22 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	36/43 S	34/40 S	29/35 S	25/31 S	22/27 S	20/26 S	20/25 S
600	32/42 S	30/40 S	26/36 S	23/32 S	20/27 S	19/26 S	19/27 S
300	7/25 S	8/23 S	8/23 S	8/21 S	7/19 S	7/19 S	8/19 S
Valley	1/18 SE	2/17 SE	5/19 SE	5/17 SE	5/17 SE	6/17 SE	5/17 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	0/-9	-0/-8	-0/-8	0/-6	1/-5	2/-4	2/-4
600	1/-7	1/-7	1/-6	2/-5	2/-4	2/-3	3/-3
300	1/-3	1/-3	1/-2	2/-2	2/-2	2/-1	2/-1
Valley	2/0	2/0	3/1	3/1	4/1	4/2	4/2
Freezing Level*	400m	500m	1300m	1700m	1800m	1800m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Turning milder through the day with a thaw setting in.

Forecast for Monday 23 Jan 2023

Weather: Rather cloudy but some clear spells developing, especially in the east where patchy low level fog may develop. Any patchy low level fog soon clearing to leave a mostly cloudy day, perhaps some brighter spells over eastern and northern hills, with occasional mainly light rain and drizzle as a thaw continues across the fells.

Maximum wind: Southerly or southeasterly around 15mph

Chance of cloud-free hill tops above 800m: Little chance over southern and western fells, but around 40% in the north and east

Low cloud and visibility: Periods or persistent cloud above 450-600m, lowering occasionally to 300m at times later, but cloud more occasional at times above 600-750m in the north and east. Away from cloud, visibility good falling to several kilometres in rain and drizzle, and just a few hundred metres in any early low level fog patches.

Temperature: **Valleys:** Around plus 2 or 3 Celsius in the north and east at first, rising to plus 6 or 7 Celsius by day
At 800m: Around plus 2 or 3 Celsius
Freezing level: Above the summits

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 21 January. Location: Helvellyn summit at 14:30. Temperature: minus 3.5degC. Maximum wind speed 31.6mph. Wind chill: minus 14.6degC. Average wind speed: 27.7mph

Full report:A busy day on the Lake District fells with plenty of folk out enjoying the winter conditions.

Conditions have remained very similar for the past few days although their is a slow thaw at lower levels. There is still a sprinkling of snow down to valley level especially on shady northern aspects. Below 500m there is a lot of ice where the snow pack has thawed and refrozen or where runoff has frozen on paths. Above this altitude the paths are drier but the snow increases in depth. In many areas above 700m the new snow is lying over older firm and icy snow. Soft windslab and areas with a non weight bearing crust were evident a variety of aspects from N through E to S. The snow pack on many southern aspects is slowly thawing up to summit level where exposed to the sun.

Many popular routes are becoming firm and icy where walkers feet have compressed the snow. Currently microspikes and trekking poles are very useful for even low level valley walks.

Striding and Swirral Edges and other exposed routes are in full winter condition and an ice axe, crampons and the appropriate experience are essential for a safe and enjoyable climb and descent. They are also strongly recommended for 'easier' routes such as the Swirls path and the ice covered Helvellyn plateau. The biggest change today was the wind had backed to the south and was redistributing the fresh snow onto N through E aspects. Dramatic low lying clouds were rolling over many of the summits and visibility was rapidly varying between unlimited and 50m. With summit temperatures of -3.5 degrees C and a wind chill of -14 full winter clothing including hat and gloves, a map and compass, headtorch, goggles and stiff winter boots are all essential items of kit for anyone venturing on to the fells.

Climbers: the snowpack is gradually consolidating but please check that routes are in condition before attempting them to avoid damage to rare alpine habitats. Please see the BMC “White Guide” for details and have a look at the Helvellyn and Great End online temperature gauges. .

This is an automated email. If you need a response please email felltop.assessors@lakedistrict.gov.uk

Issued at: 02:39 on Sun 22 Jan 2023

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